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| **Teacher(s)** | MYP Unit Planner 2016 - 2017  **MARIA FERNANDA VALENCIA** | **Subject group and discipline** | **Design PERIOD I** | | |
| **Unit title** | **Sustainable solutions to CCB**  **Ambiental problems** | **MYP year** | 9° | **Unit duration (hrs)** | 10 Weeks |

##### Inquiry: Establishing the purpose of the unit

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| **Key concept** | **Related concept(s)** | **Global context** | |
| Development | Adaptation - Colaboration | **Orientation in space and time**  **…** the relationship between, and the interconnectedness of, individuals and civilizations, from personal, local and global perspectives  **Possibles explorations**  Scale, duration, frequency and variability | |
| **Statement of inquiry** | | | |
| **Sustainable local solutions developed by communities around the world become**  **part of a global collaboration processes** | | | |
| **Inquiry questions** | | | |
| **Factual** – What is sustainability? When is a sustainable solution required?  **Conceptual** — To what extent are designs coherent with the concept of sustainability?  **Debatable** —To what extent do sustainable solutions respond effectively to a necessity? To what extent does the economic source predominate over the resolution of the problem? | | | |
| **Objectives** | | | **Summative assessment** |
| **Resources** | | | |
| The following material is suggestions to be used in this unit.  ***Power Point Presentations (ppt)***  Normas para Diseño 2017 (In the wiki)  Orthographic drawings exercises (In the wiki)  ***Orthographic Projections and Isometric Drawings***  <http://www.technologystudent.com/prddes1/orthogrp1.html> Orthograpic Drawings  <http://www.technologystudent.com/despro_flsh/clock1.html>  <http://tommaitland.net/graphpaper/>  <http://tommaitland.net/2012/07/online-graph-paper-tool/>  <http://polarski.cz/graph_paper/> another graph paper with labels  **Design in Detail**  <https://www.ted.com/talks/paul_bennett_finds_design_in_the_details>  <https://www.youtube.com/watch?v=n77BfxnVlyc> Janine Benyus: 12 sustainable design ideas from nature  <https://www.youtube.com/watch?v=wdoriWPaaDI> Michael Pawlyn - Biomimicry in architectural design  The myth of globalization, Peter Alfrandri: <https://www.youtube.com/watch?v=xUYNB4a8d2U>  Designing sustainable practices: innovation and sustainable living: <https://www.youtube.com/watch?v=QJC2GtM56rc>  Seeing a sustainable future, Alex Steffan: <https://www.youtube.com/watch?v=USRkS_WO4e4> | | | |